

AVCO EVERETT RESEARCH LABORATORY

2385 REVERE BEACH PARKWAY • EVERETT, MASSACHUSETTS 02149

TELEPHONE: 617 389-3000

Dear Sir:

You may recall receiving a brochure describing the Avco 50 kilowatt pulsed nitrogen UV laser. Since the development of this unit our technical staff has taken steps which will allow us to provide a laser with considerably higher values in peak power and pulse repetition rate.

In order to provide a more user oriented product, we are asking professional personnel representing various disciplines to answer the enclosed questionnaire. This critical information can be obtained only from individuals such as yourself.

However, if you find this questionnaire inappropriate for any reason, please indicate this fact and return the questionnaire. Only in this way can we be sure the replies are representative.

Many thanks for your cooperation in this matter.

Please use the enclosed stamped, self-addressed envelope for your reply.

Sincerely,

AVCO EVERETT RESEARCH LABORATORY

Lawrence M. Rittenberg
Lawrence M. Rittenberg
Marketing Administrator

LMR:jas
Enclosure

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EVERETT, MASS 02149





ULTRAVIOLET LASER QUESTIONNAIRE

1. Within the next year will you have an application for a pulsed UV laser?

() Yes () No

2. What is your particular application?

3. Would a fixed wavelength at $3371 \text{ \AA}$ (output bandwidth $\approx 1 \text{ \AA}$) impose a limitation upon your possible use of a pulsed UV laser?

() Yes () No

If YES, please answer questions 3a and 3b

3a. What wavelength would be more appropriate? _____

3b. Would a higher peak power and/or pulse repetition rate offset this limitation in wavelength?

() Yes () No

4. Please select the minimum acceptable combination of peak power and pulse repetition rate that would satisfy your requirements:

() 50 KW	() Single shot
() 50-100 KW	() 1-50 pulses per second
() 100-150 KW	() 1-100 pulses per second
() >150 KW	() > 100 pulses per second

5. Please specify other factors of importance to you in a pulsed UV laser.

6. If a unit were available with the outlined specifications, would you seriously consider purchase?

() Yes () No

7. A 50 KW, 1-10 pps nitrogen gas laser is commercially available. The price is \$10,000. Do you feel this price is justified for its potential use?

() Yes () No

If NO, please explain

We would appreciate further comments

NAME _____
TITLE _____
COMPANY _____
ADDRESS _____

- () Please check here if you desire to be included in our distribution of Laser Research Reports. (No charge, of course).

